



PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Krivitski, Nikolai M. Atty. Docket: 86017.000012
Serial No.: 09/241,455 Examiner: B. Szmal
Filed: February 2, 1999 Art Unit: 3736
Title: METHOD AND APPARATUS FOR DETERMINING A BLOOD FLOW
DURING VASCULAR ACCESS DYSFUNCTION CORRECTIVE
PROCEDURES

AMENDMENT

Commissioner of Patents and Trademarks
Washington, D.C. 20231

Sir:

In response to the Office Action mailed March 6, 2001, please consider the
above referenced application amended as follows:

In the Claims:

1. (Twice Amended) An apparatus for determining a blood flow in a vessel,
comprising:

(a) an elongate catheter having a stenosis reducing member, a blood
property change port located to alter a blood property outside the catheter and a
downstream sensor spaced from the port for producing a signal corresponding to the
blood property in blood flow between the catheter and the vessel.

2. The apparatus of Claim 1, wherein one of the sensor and the catheter is
configured to locate the sensor with respect to the vessel to minimize wall effects.

3. The apparatus of Claim 1, further comprising a controller operably
connected to the sensor to calculate a flow rate corresponding to the signal from the
downstream sensor.

4. The apparatus of Claim 1, wherein the blood property change port
includes an aperture for introducing a blood property variant.

Sm
7-31-01
15/B

RECEIVED
JUL 27 2001
FC 3700 MAIL ROOM

07/25/2001 MGE:REM1 00000065 09241455
01 FC:202
02 FC:203
00.00 OP
18.00 OP